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Uprooting is performed, basically, by a rope, 16 millimeters in diameter, which is wound around the working drum. Another rope, 8 millimeters in diameter, which is wound around the auxiliary drum, is designed to open the automatic release catch and to pull over the working rope and hoisting tackle to the stumps which are to be pulled.

When uprooting is done at a distance of 8-10 meters from the crane, a guiding stump, which is in line with the drum's perpendicular axis, is chosen and the rope is caught around it before it is tied to the stump that is to be pulled. In pulling stumps that require 6-12 tons of traction power, a so-called anchoring stump is used, to which the end of the rope is fastened. Stumps requiring 12-30 tons of traction power are pulled by means of hoisting tackle, whose stationary block is fastened to the anchoring stump.

To uproot stumps which are located near the tractor, a special shortening attachment is employed, which may be fastened at any point of the basic rope, and which has a hook that catches the loop around the stump to be uprooted.

An experimental model of the crane described was produced in 1950 at the Leningrad "Promet" Machine-Building Plant. In tests conducted at the plant, the crane showed satisfactory performance.

The specifications of the uprooting crane are as follows:

Servicing personnel:

Mechanics (tractor operators) 1
Workers 2

Traction power of rope of working drum (kg) 6,000

Traction power of rope of auxiliary drum (kg) 500

Required horsepower 60

Dimensions (mm):

Length 1,479
Width 1,590
Height 1,060

Weight of crane, minus rope and auxiliary equipment (kg) 1,250

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